

# SENTRY®

## RADIO CONTROLLED LCD CLOCK ATC - 20



### Operation Instructions

#### GETTING STARTED

1. Remove the battery door by slightly pressing the knob upwards.
2. Insert one new AAA size battery as per indication marked on the battery compartment.
3. Close the battery door.
4. When the battery is inserted, all the segments of the LCD will be shown briefly before entering the radio controlled time reception mode.
5. The RC Clock will automatically start scanning for the radio controlled time signal after 10 seconds.

#### Note:

If there is no display on the LCD after inserting the battery, try to replace with a new battery or press RESET key by using a metal wire. In some cases, you may not receive a signal immediately. Due to atmospheric disturbances, the best reception often occurs during nighttime.

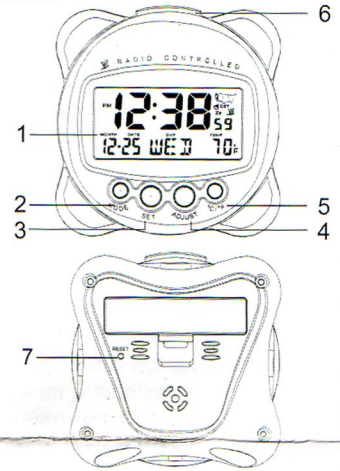
#### FUNCTION KEYS

- MODE key:** Switch between Normal Time Mode and Alarm Time Mode
- SET key:** In normal time mode or alarm time mode, switch ALARM/SNOOZE function ON or OFF. In setting mode, step the setting sequences.
- ADJUST key:** In normal time mode, toggle between Date/Month and Year display. In setting mode, change the setting value.
- °C / °F key:** Press it once to toggle between °C and F° format. Press and hold it for 3 seconds to receive the signal for reception testing. Check the signal strength indicator in the first 30 seconds. If the signal strength indicator is in acceptable signal quality, fix the clock here. Otherwise, place the clock in other position and press the "°C/°F" button again. The reception will be off automatically after 6-12 minutes.
- SNOOZE / LIGHT bar:** Turn on backlight and stop the alarm sound when the bell rings.

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### PRODUCT DESCRIPTIONS

- 1 LCD display
- 2.MODE key
- 3.SET key
- 4.ADJUST key
- 5.°C/ °F key
- 6.SNOOZE LIGHT bar
- 7.RESET key



### DISPLAY SYMBOLS

#### Normal Time Mode

- |                    |                              |
|--------------------|------------------------------|
| 1. Time            | 5. Temperature               |
| 2. Date            | 6. Signal Strength Indicator |
| 3. Month           | 7. Daylight Savings Time     |
| 4. Day of the week | 8. Time zone map             |



#### Alarm Time Mode

1. Alarm time
2. Alarm mode
3. Snooze icon
4. Alarm icon



### SELECT THE TIME ZONE

Make sure the time zone is already set to appropriate location. The default time zone is Pacific zone. If you following steps:

1. In the normal time mode, press the MODE key to enter the alarm time mode.
2. Press the ADJUST key to change the time zone.  
P=Pacific M=Mountain C=Central E=Eastern

### DAYLIGHT SAVINGS TIME(DST)

The clock has been programmed to automatically switch when daylight savings time is in effect. Your clock will show 'DST' during the summer.

### SIGNAL STRENGTH INDICATOR

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality could be classified into three types:



If the RC clock receives signal successfully, a Sync-time symbol appears on LCD.

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The unit is already synchronized with the time signal transmitter. Otherwise the antenna segment will disappear from the LCD display.

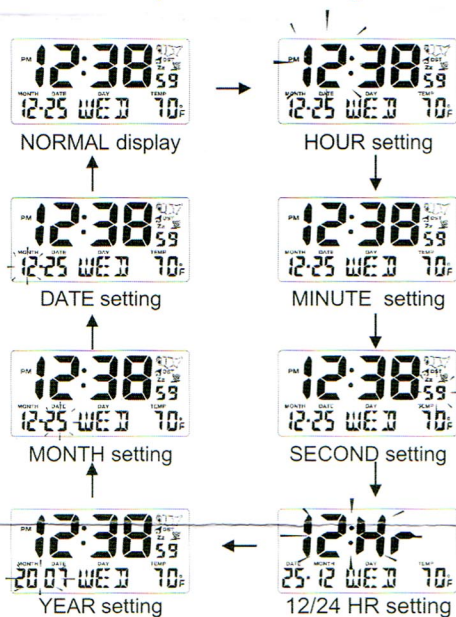
**Note:**

1. You may use the °C/°F button to receive the time signal manually. Be cautious of using the RECEIVE mode. The receive mode will be off automatically after 6-12 minutes. Test mode consumes more battery power that may reduce battery lifetime.
2. The unit has been programmed to receive the time signal everyday at 2:00, 8:00, 14:00 and 20:00, the maximum receive period is 12 minutes.
3. The program employs an artificial intelligence method to recognise between good signal and interference, so the unit may stop the current RC reception when a continuous interference lasts for 3 minutes. The clock will reactivate the reception function until the next time.

**MANUALLY SETTING THE TIME AND DATE**

If you are out of the reach of the Radio Controlled Transmitter or if the reception is not reachable, the time can be set manually. As soon as the transmitter is received again, the clock will automatically synchronize with the received time.

1. press and hold "SET" key for 3 seconds until the HOUR digit flashing.
2. Press "ADJUST" key to increase the value of the flashing digit.
3. Press "SET" key again to step the setting items. The setting sequence will be:  
Hour > Minute > Second > 12/24 HR > Year > Month > Date.
5. Press "ADJUST" key to switch 12/24 HR format when "12/24HR" flashing.
6. Press "MODE" key to exit the setting mode.



**SETTING THE ALARM**

1. In the Normal Time Display, press "MODE" key to enter the Alarm Time Mode.
2. Hold the "SET" key for 3 seconds until HOUR digit flashing.
3. Press "ADJUST" key to increase the alarm hour value.
4. Repeat the above operation to set the alarm minute.
5. Press "MODE" key to exit the setting mode.

**Note:** The alarm will be automatically activated after setting the alarm time



**USING THE ALARM AND SNOOZE FUNCTION**

1. Set the Alarm time as described in the previous section.
2. In normal time mode or alarm mode, activate the Alarm by pressing the SET key so that the bell icon "🔔" appears; activate the snooze by pressing the SET key twice so that the snooze icon "Zz" appears.
3. To deactivate the alarm, press the "SET" key, both icons will disappear.

**Note:**

1. When the snooze function is activated, the 4-step crescendo alarm will automatically start again after 4 minutes, total 5 times then not sound again until the next day. The alarm duration is 60 seconds. The Zz icon will keep flashing during the whole alarm and snooze period.
2. When the alarm is sound, press the SNOOZE/LIGHT key to stop the bell ringing, press the SET key to stop and turn off the alarm. There is no affection to press the other keys.
- 3 The alarm sound will be stop after 1 minute without pressing any key.

**BATTERY REPLACEMENT**

When the LCD becomes dim, replace with a new AAA size battery at once. Pay attention to the battery polarity.

**Note:** Attention! Please dispose of used unit and batteries in an ecologically safe manner.

**IMPORTANT**



For best reception, please read the following instructions:

1. This sophisticated instrument will automatically receive the time signal transmits from U.S.A. Atomic Clock transmitter.
2. It is strongly recommended to start this clock at night time and let the clock to receive the signal automatically during midnight.
3. Always place the unit away from interfering sources such as TV set, computer, etc..
4. Avoid placing the unit on or next to metal plate.
5. Closed area such as airport, basement, tower block, or factory is not recommended.
6. Do not start reception in a moving article such as vehicle or train.



**Limited One-Year Warranty:** Sentry warrants this product to be free from defects in materials and workmanship for one year from the date of original purchase. This warranty does not pertain to damage resulting from accident, abnormal use, misuse or neglect. Any defective product will be replaced if returned to an authorized Sentry dealer or to Sentry directly at: PO Box 885, One Bridge Street, Hillburn, NY 10931-0885 Please enclose a \$ 5 Check for return shipping & handling.